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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	09 831,683
Filing Date	May 10, 2001
First Named Inventor	Omolayo O. Famodu
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	BB1270 US PCT

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No	U.S. Patent Document: Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No*	Foreign Patent Document: Office†	Number‡	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T§
PTB		Europe	0 835 936	A2	Smithkline Beecham PLC	04-15-1998		
↓		World	97/38718	A1	Smithkline Beecham Corporation & Smithkline Beecham PLC	10-23-1997		
↓		Europe	0 785 261	A1	Smithkline Beecham PLC	07-23-1997		

Examiner Signature	Phuong T Bui	Date Considered	2/16/04

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* Unique citation designation number. See attached Kinds of U.S. Patent Documents. † Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ‡ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. § Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ¶ Applicant is to place a check mark here if English language Translation is attached.

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Sheet 1 of 3

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Examiner Name	Unknown
Attorney Docket Number	BB1270 US PCT

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T*
PTB		EMBL SEQUENCE DATA LIBRARY ACCESSION NO D23310, 12-02-1993, T SASAKI ET AL., Rice cDNA from callus	✓
		EMBL SEQUENCE DATA LIBRARY ACCESSION NO D16052, 05-17-1993, T SASAKI ET AL., Rice cDNA from callus	✓
		EMBL SEQUENCE DATA LIBRARY ACCESSION NO *83523, 12-21-1994, R V ANDERSEN	✓
		EMBL SEQUENCE DATA LIBRARY ACCESSION NO: C27100, 08-06, 1997, T. SASAKI ET AL., Rice cDNA from callus	✓
		EMBL SEQUENCE DATA LIBRARY ACCESSION NO: *83524, 12-21-1994, R V ANDERSEN	✓
		KATHLEEN L RACHER ET AL., J Biol. Chem., vol. 266(26) 17163-17164, 1991, Expression and characterization of a recombinant yeast isoleucyl-tRNA synthetase	✓
		EMBL SEQUENCE DATA LIBRARY ACCESSION NO: AI795505, 07-04-1999, V WALBOT, Maize ESTs from various cDNA libraries sequenced at Stanford University	✓
		EMBL SEQUENCE DATA LIBRARY ACCESSION NO: AI667309, 05-17-1999, V WALBOT, Maize ESTs from various cDNA libraries sequenced at Stanford University	✓
		EMBL SEQUENCE DATA LIBRARY ACCESSION NO: AQ574177, 06-03-1999, R A WING ET AL., A BAC end sequencing framework to sequence the rice genome	✓
		EMBL SEQUENCE DATA LIBRARY ACCESSION NO. AI899999, 07-28-1999, R SHOEMAKER ET AL., Public soybean EST project	✓
↓		EMBL SEQUENCE DATA LIBRARY ACCESSION NO Z98760, 11-16-1997, T D SMALL ET AL., Duplicated arginyl-tRNA synthetase genes in arabidopsis thaliana	✓

Examiner Signature	[signature]	Date Considered	2/16/04

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 3

Complete if Known	
Application Number	09 831,683
Filing Date	May 10, 2001
First Named Inventor	Omolayo O. Famodu
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	BB1270 US PCT

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Examiner Initials *	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
PTD		EMBL SEQUENCE DATA LIBRARY ACCESSION NO. Z98759 11-18-1997. I. D. SMALL ET AL., Duplicated arginyl-tRNA synthetase genes in arabidopsis thaliana	✓
		DERWENT PUBLICATIONS, LTD., AN94-134720, 1994, A. JOACHIMIAK ET AL.	✓
		A. JOACHIMIAK ET AL., J. Chromatography, vol. 206:600-605, 1981, Heparin-sepharose column chromatography as a new method for the purification of aminoacyl-tRNA synthetases	✓
		DERWENT PUBLICATIONS, LTD., AN 1981-72059433, A. JOACHIMIAK ET AL., Method for isolation of aminoacyl transfer RNA synthetases EC-6.1.1.-from plants purification and some properties of methionyl phenyl alanyl and arginyl transfer RNA synthetases from yellow lupine lupinus-luteus seeds	✓
		A. JOACHIMIAK ET AL., Int. J. of Biological Macromolecules, vol. 3(2):121-128, 1981, Method for isolation of aminoacyl-tRNA synthetases from plants: purification and some properties of methionyl, phenylalanyl and arginyl tRNA synthetases from yellow lupin seeds	✓
		EMBL SEQUENCE DATA LIBRARY ACCESSION NO: AF067773, 08-21-1998, I. S. DAY ET AL., Cloning of the cDNA for glutamyl-tRNA synthetase from arabidopsis thaliana	✓
		IRENE S. DAY ET AL., Biochimica et Biophysica Acta, vol. 1399:219-224, 1998, Cloning of the cDNA for glutamyl-tRNA synthetase from arabidopsis thaliana	✓
		EMBL SEQUENCE DATA LIBRARY ACCESSION NO. Z85984, 02-13-1997, K. AKASHI ET AL., A cDNA clone encoding rice histidyl tRNA synthetase	✓
		KINYA AKASHI ET AL., Plant Phys., vol. 1(13):1464, PGR97-062, A cDNA clone encoding rice histidyl-tRNA synthetase	✓
		KINYA AKASHI ET AL., FEBS Lett., vol. 431:39-44, 1998, Potential dual targeting of an Arabidopsis archaebacterial-like histidyl-tRNA synthetase to mitochondria and chloroplasts	✓
		FREDERICK C. NEIDHART ET AL., Annu. Rev. Microbiol., vol. 29:215-250, 1975, Function and regulation of aminoacyl-tRNA synthetases in prokaryotic and eukaryotic cells	✓

Examiner Signature		Date Considered	2/16/04

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of 3

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Application Number	09 831,683
Filing Date	May 10 2001
First Named Inventor	Omolayo O. Famodu
Group Art Unit	Unknown
Examiner Name	Unknown
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PTB		GILBERT ERIANI ET AL., Nature, vol. 347 203-206, 1990. Partition of tRNA synthetases into two classes based on mutually exclusive sets of sequence motifs	✓
		ADRIAN J. LLOYD ET AL., Nucleic Acids Res., vol. 23(15):2882-2892, 1995. A broadly applicable continuous spectrophotometric assay for measuring aminoacyl-tRNA synthetase activity	✓
		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 2632105, 11-18-1997. I.D. SMALL ET AL., Duplicated arginyl-tRNA synthetase genes in Arabidopsis thaliana	✓
		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 3435196, 09-21-1998. I. S. DAY ET AL., Cloning of the cDNA for glutamyl-tRNA synthetase from arabidopsis thaliana	✓
		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 2500980, 11-01-1997, R. V. ANDERSEN	✓
		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 2500981, 11-01-1997, R. V. ANDERSEN	✓
		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 2507428, 11-01-1997, A. A. TZAGOLOFF ET AL.,	✓
		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 3915070, 12-15-1998, K. AKASHI ET AL., A cDNA clone encoding rice histidyl-tRNA synthetase	✓
		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 3659909, 09-28-1998, K. AKASHI ET AL., Potential dual targeting of an Arabidopsis archaebacterial-like histidyl-tRNA synthetase to mitochondria and chloroplasts	✓

Examiner Signature	Phuong T Bui	Date Considered	2/16/04

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